

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A scroll fluid machine comprising:
~~at least a one first scroll (21) having a spiral wrap (24) formed on an end plate (23); and a at least one second scroll (22) having a spiral wrap (24) formed on an end plate (23), wherein; and~~
~~an adjustment member (4a) is provided to adjust the an amount of a space between the wrap (24) of one of the first and second scrolls (21 or 22) and the end plate (23) of the other one of the first and second scrolls, scroll (22 or 21) and~~
~~the adjustment member (4a) includes including a deformable element (40) which changes its shape according to external input.~~
2. (Currently Amended) The scroll fluid machine of claim 1, wherein
~~the deformable element (40) is formed at the a tip of at least one of the wraps wrap (24) and changes its shape along the a height of the wrap (24) to adjust the amount of the space.~~
3. (Currently Amended) The scroll fluid machine of claim 1, wherein
~~the deformable element (40) is formed at the a tip of at least one of the wraps wrap (24) to extend over the a spiral of the wrap (24), and~~
~~the deformable element (40) changes its length along the spiral of the wrap (24) to adjust the amount of the space.~~

4. (Currently Amended) The scroll fluid machine of claim 3, wherein two or more deformable elements (40) are formed along the spiral of the wrap (24).

5. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element (40) adjusts the amount of the space to vary a capacity.

6. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element (40) adjusts the amount of the space to vary an angle of rotation at which fluid discharge begins.

7. (Currently Amended) The scroll fluid machine of claim 1, wherein a working chamber (2a) is defined between the first scroll (21) and the second scroll (22) and a discharge port (2b) for discharging fluid from the working chamber (2a) is provided with a discharge valve, and the wrap (24) is configured such that the a capacity of the working chamber (2a) becomes substantially zero after the discharge discharging fluid is terminated.

8. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element (40) is provided at the a tip of at least one of the wraps wrap (24) and also functions as a seal between the end plate (23) and the wrap (24).

9. (Currently Amended) The scroll fluid machine of claim 1, wherein

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the deformable element (40) is disposed in a recess (25) formed at the a tip of at least one of the wraps, wrap (24) and

the recess (25) is formed such that a wall of the recess (25) including an inner circumference surface of the wrap (24) has a thickness different from that of a wall of the recess (25) including an outer circumference surface of the wrap (24).

10. (Currently Amended) The scroll fluid machine of claim 1, wherein the first scroll (21) is a stationary scroll and the second scroll (22) is a moving scroll, and only the first scroll (21) is provided with the deformable element (40).

11. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element (40) is made of a polymer actuator.